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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/909,898	07/23/2001	Yoshio Sugaya	211758US0	9196	
22850	7590 12/20/2005	EXAMINER			
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			LIPMAN, BERNARD		
	RIA, VA 22314		ART UNIT	PAPER NUMBER	
	ŕ		1713		

DATE MAILED: 12/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Applicati	on No.	Applicant(s)				
Office Action Summary		09/909,8	98	SUGAYA ET AL.				
		Examine	r	Art Unit				
		Bernard L	ipman	1713				
	The MAILING DATE of this communica	ation appears on th	e cover sheet with the c	orrespondence ad	dress			
Period fo				0. 00 7. 107. (0	0) DAYO			
WHIC Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAI asions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this commun period for reply is specified above, the maximum statul re to reply within the set or extended period for reply will reply received by the Office later than three months after adjustment. See 37 CFR 1.704(b).	ILING DATE OF TI 37 CFR 1.136(a). In no evication. tory period will apply and w II, by statute, cause the app	HIS COMMUNICATION rent, however, may a reply be timular time. A spire SIX (6) MONTHS from blication to become ABANDONE	N. nely filed the mailing date of this c D (35 U.S.C. § 133).				
Status								
1)[🛛	Responsive to communication(s) filed	on 29 September	2005 by the Board of A	ppeal.				
•—	This action is FINAL . 2b) This action is non-final.							
3)[Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims				,			
4)⊠	. 4)⊠ Claim(s) <u>1-12</u> is/are pending in the application.							
•	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)	Claim(s) is/are allowed.							
6)⊠	Claim(s) <u>1-12</u> is/are rejected.							
·	Claim(s) is/are objected to.							
8)[Claim(s) are subject to restriction	on and/or election i	equirement.					
Applicati	on Papers							
9)[The specification is objected to by the I	Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11)[The oath or declaration is objected to be	by the Examiner. N	ote the attached Office	Action or form P	「O-152.			
Priority u	ınder 35 U.S.C. § 119	·						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:								
	1. Certified copies of the priority documents have been received.							
	2. Certified copies of the priority documents have been received in Application No							
	3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).								
* See the attached detailed Office action for a list of the certified copies not received.								
A440.5	W-1							
Attachmen	t(s) e of References Cited (PTO-892)		4) Interview Summary	(PTO_412)				
2) D Notic	e of Draftsperson's Patent Drawing Review (PTC		Paper No(s)/Mail Da	ate				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 5) Notice of Informal Patent Application (PTO-152) 6) Other:								

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DETAILED ACTION

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 5-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Terada et al., US 5,759,373, taken with Tomoi et al., US 5,350,523, and further in view of MacDonald, US 5,045,171.

Claims are rejected for reasons as affirmed by the Board.

3. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Terada et al., US 5,759,373, taken with Tomoi et al., US 5,350,523, and further in view of MacDonald, US 5,045,171, as applied to claims 1-9, 11 and 12 above, and further in view of Akao, US 4,876,129, or Osterholtz, US 3,846,521, or Sata et al., US 4, 169,023, or Saad et al., US 6,306,646, or Chau et al., US 4,775,474.

Claim 10 is rejected for reasons as affirmed by the Board.

4. Claims 1-4, 11 and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over MacDonald in view of Tomoi et al.

It would be prima facie obvious to use the precursor monomer of Tomoi (col. 5, 11. 28-45) in the method of MacDonald (col. 8, 11. 5-24 referencing col. 7, 11. 42-47) to make an anion selective membrane that has improved heat durability (Tomoi, col. 3, 11. 8-51). With respect to claim 1, it would appear that the substantially uniform structure required

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due to the "mixing substantially uniformly" limitation would be inherently present in the

product resulting from the process of MacDonald because MacDonald mixes the

functional monomer with the thermoplastic polymer having no ion exchange groups just

as done by Applicants. The reasonableness of this conclusion lies in the identity of the

process conditions used to form the claimed and prior art products and of the other

shared properties of these products. Applicants are, therefore, required to prove that the

subject matter shown to be in the prior art does not, in fact, possess the properties

relied upon for patentability. In re Best, 562 F.2d 1252, 1254, 195 USPQ 430, 432-33

(CCPA 1977).

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Bernard Lipman whose telephone number is 571-272-

1105. The examiner can normally be reached on 8-5 Mon-Fri.

Information regarding the status of an application may be obtained from the

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published applications may be obtained from either Private PAIR or Public PAIR.

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you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Bernard Lipman

Herrard lunn

Primary Examiner

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